

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2015 with regard to energy labelling of light sources

Supplier's name or trade mark: ELMARK

Supplier's address: ELMARK INDUSTRIES SC, bul.Dobrudja 2, 9300 Dobrich Dobrich, BG

Model identifier: 99LED837WW

Type of light source:

Lighting technology used:	LED	Non-directional or directional:	NDLS
Light source cap-type (or other electric interface)	E27		
Mains or non-mains:	MLS	Connected light source (CLS):	No
Colour-tuneable light source:	No	Envelope:	-
High luminance light source:	No		
Anti-glare shield:	No	Dimmable:	No

Product parameters

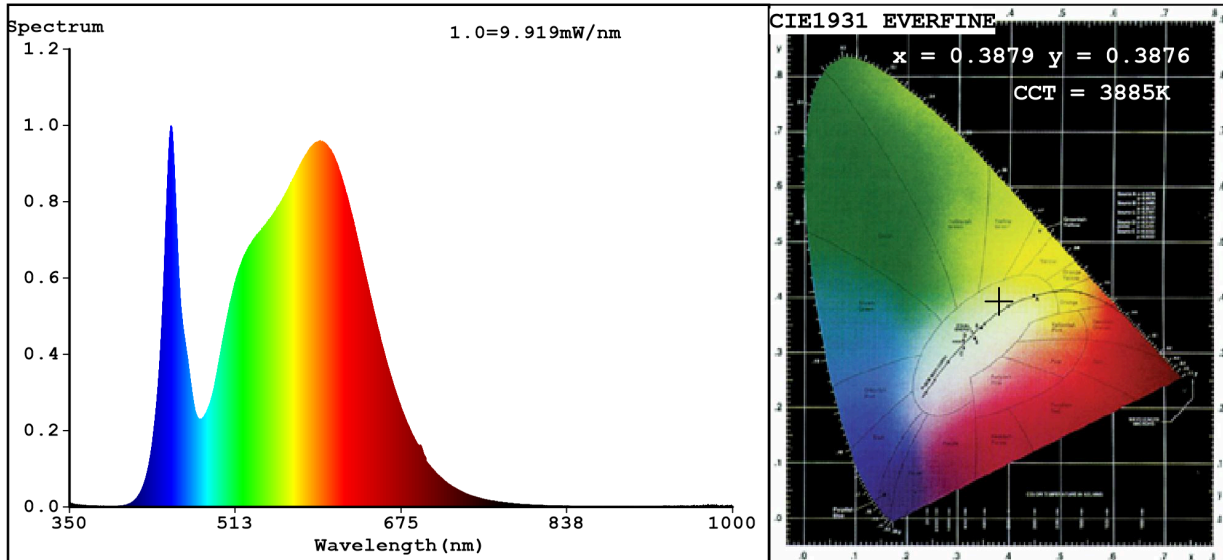
Parameter	Value	Parameter	Value
General product parameters:			
Energy consumption in on-mode (kWh/1000 h), rounded up to the nearest integer	6	Energy efficiency class	E
Useful luminous flux (ϕ_{use}), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	780 in Sphere (360°)	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	3 000
On-mode power (P_{on}), expressed in W	5,8	Standby power (P_{sb}), expressed in W and rounded to the second decimal	0,00
Networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal	-	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	81
Outer dimensions without separate control gear, lighting control	Height	78	Spectral power distribution in the range 250 nm to 800 nm, at full-load
	Width	45	
	Depth	45	
			See image in last page

parts and non-lighting control parts, if any (millimetre)			
Claim of equivalent power ^(a)	Yes	If yes, equivalent power (W)	60
		Chromaticity coordinates (x and y)	0,453 0,412
Parameters for LED and OLED light sources:			
R9 colour rendering index value	3	Survival factor	0,50
the lumen maintenance factor	0,95		
Parameters for LED and OLED mains light sources:			
displacement factor (cos ϕ_1)	0,40	Colour consistency in McAdam ellipses	4
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	Yes ^(b)	If yes then replacement claim (W)	60
Flicker metric (Pst LM)	0,0	Stroboscopic effect metric (SVM)	0,0

(a)¹⁾ : not applicable;

(b)¹⁾ : not applicable;

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: $x=0.3879$ $y=0.3876$ / $u'=0.2257$ $v'=0.5074$
 CCT=3885K (Duv=0.0029) Dominant WL:Ld =578.1nm WL:Lc = --nm Purity=32.7%
 Ratio:R=18.5% G=78.3% B=3.2% ; Peak WL:Lp=449.6nm FWHM=19.7nm
 Render Index:Ra=82.3

R1 =80 R2 =87 R3 =94 R4 =82 R5 =80 R6 =83 R7 =87
 R8 =64 R9 =6 R10=71 R11=81 R12=60 R13=82 R14=96 R15=74

Photo Parameters:

Flux = 548.0 lm Eff. : 142.72 lm/W Fe = 1.642 W

Electrical parameters:

V = 219.86 V I = 0.03279 A P = 3.840 W PF = 0.5326
 WHITE:ANSI_4000K

Status: Integral T = 84 ms Ip = 39218 (60%)

Model:LED FILAMENT G45
 Tester:Atanas DAKOV
 Temperature:25.3Deg
 Manufacturer:ELMARK

Number:99LED840W
 Date:2022-10-04 15:32:20
 Humidity:65.0%
 Remarks:8843